



## A B S T R A C T

The invention concerns a satellite having at least two antennas (3, 5) whose radiation patterns overlap, at least in part and means (45; 47, 49, 51) for receiving the sum of the signals from the various antennas. To limit multipath problems when summing signals from the antennas, the invention proposes that the receiver means include means for demodulating a spread spectrum signal and that the absolute difference between the respective transmission times of signals transmitted to the receiver means via two antennas is greater than one chip of the spread spectrum modulation. Application to a satellite TTC (telemetry, tracking and command) link.